

Figure 1: Ribozyme Motifs

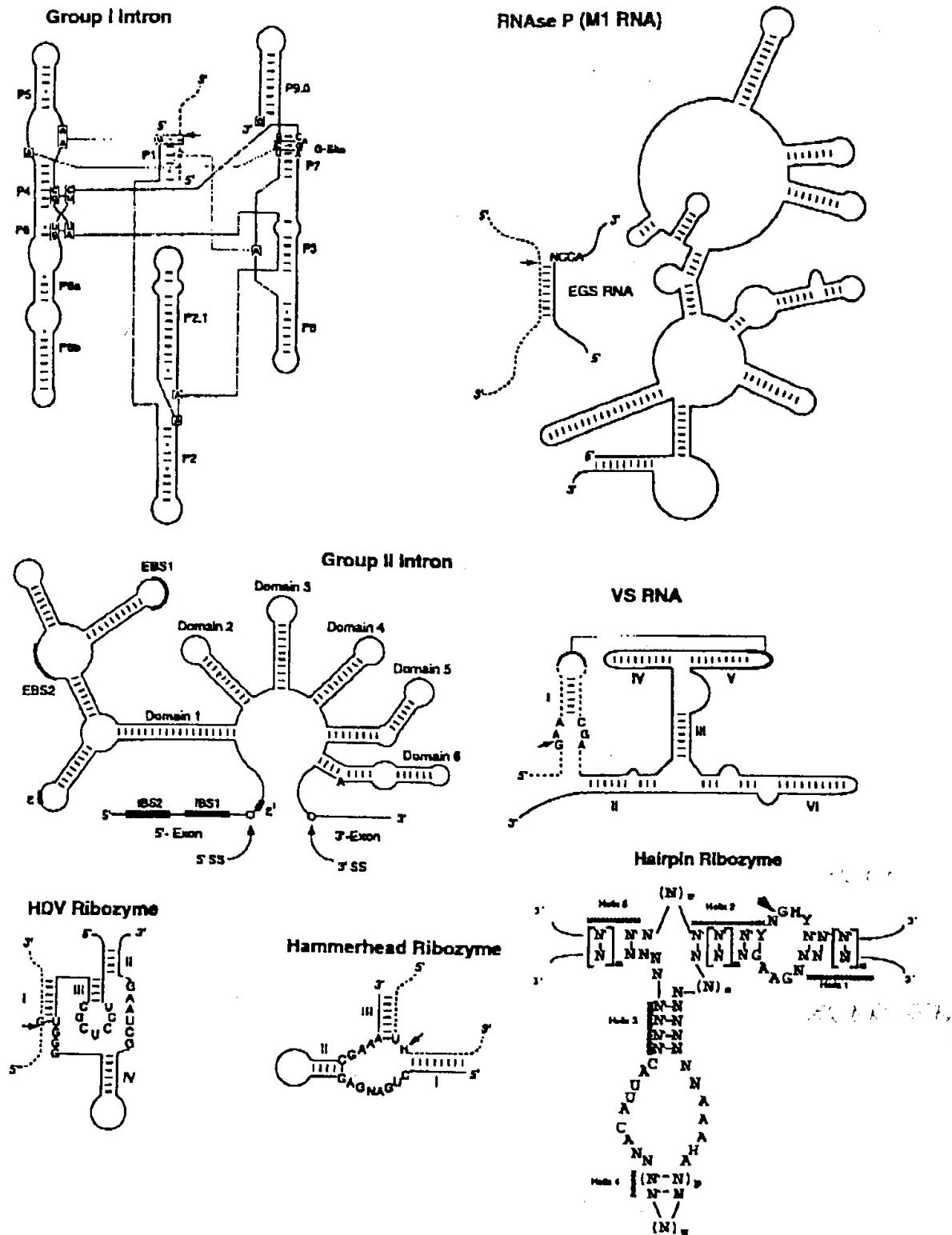
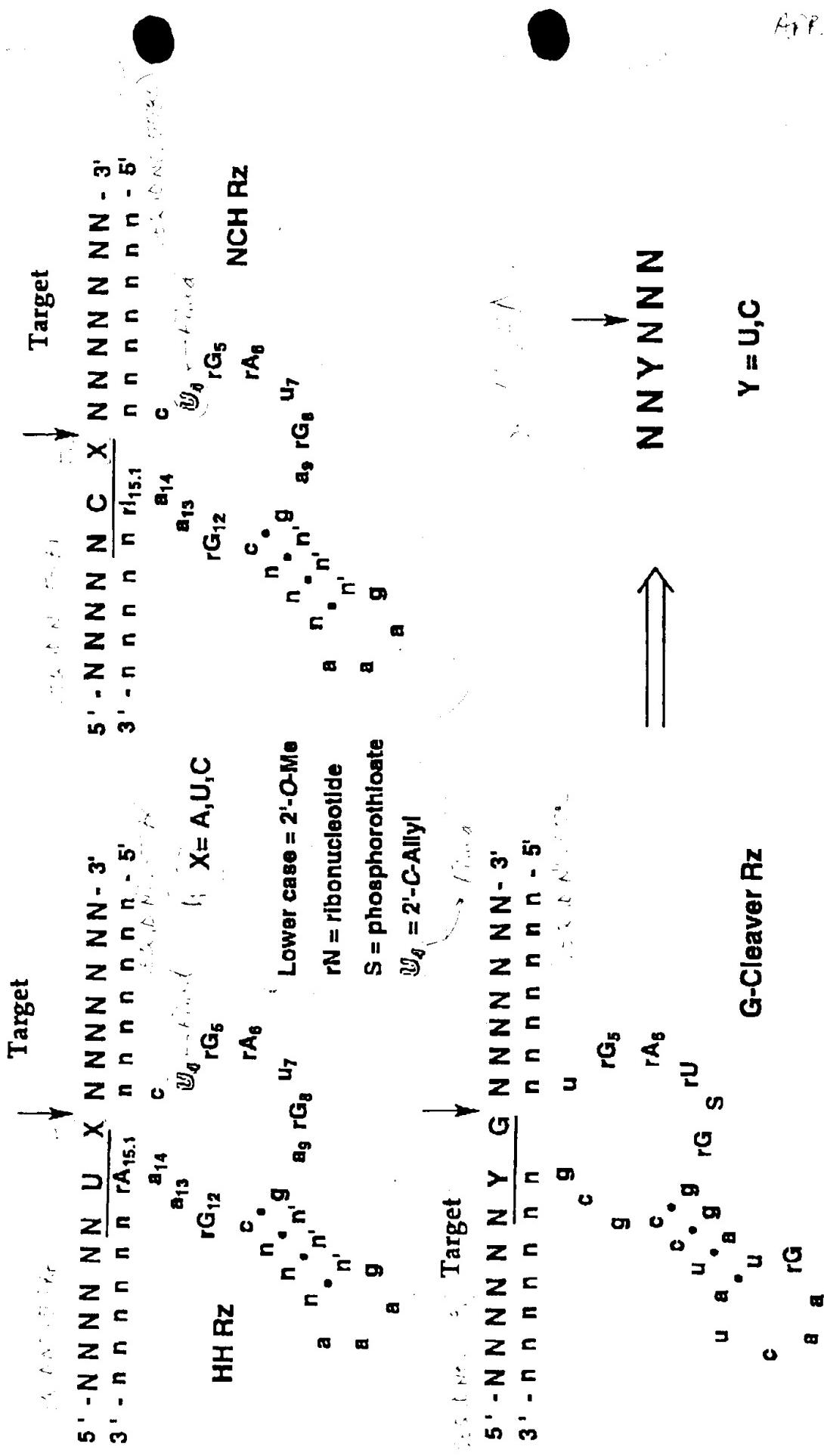


Figure 2: Examples of Nuclease Stable Ribozyme Motifs



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**Figure 3. 2'-O-Me substituted Amberzyme
Enzymatic Nucleic Acid Motif**

*Fixed
interior*

UC = 2'-NH₂-U, C

Lower case = 2'-O-Me

Uppercase = Ribo

Ribozyme

Fixed interior

a a
g a

c . g

A . U

G : C

G : C

A G

A G

G G

U G

48 a c g g g 3'

U G C C G 5'

G

Cleavage site

G . G

G . G

a . U

a . U

c . G

g . C

u . A

g . C

u . A

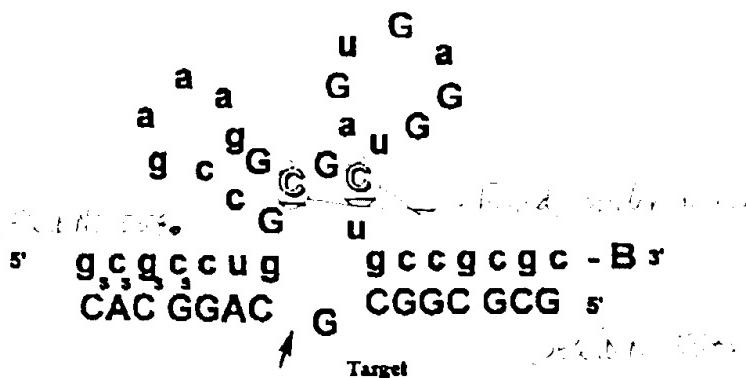
g . C

5' 3'

Substrate

Figure 4: Zinzyme Motif

Zinzyme A-motif RZ



The GAAA tetraloop can be replaced by 18 atom polyethylene glycol (Spacer)
All ribo G's can be replaced with 2'-O-methyl G